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Green People: Informed People

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ABSTRACT:

'Adaptation should be embedded in financial, economic development and social planning'. We propose a project for preparing huge Indian rural population for easily accepting the Adaption Measures in wake of Climate Change. Adaptation to the impacts of Climate Change will have to be made in every country and will literally involve millions of decision makers at every level of society-from an individual farmer to a government department. In a country like India where we have this huge challenge of illiteracy in Rural parts of the country, we have to rapidly work on connecting this huge population to latest media s of information like Internet (which has key role in E-Governance) such that the Trade-off for Adaptation Measurers can pulled in favour of Climate as well as People. Here in this paper we present a proposal to set up a low cost (\$ 60) Rural Information Kiosk on Panchayat's Land in all the villages of India through Public-Private Partnership (PPP).

INTRODUCTION

Here in India we have this amazing and six Decade old concept of "Panchayats" (i.e. Local Governance Body) introduced by Mahatma Gandhi and still practiced with all its democratic values. This concept of "Local Governance" can play a significant role in putting in adaptation measures in place. Adaptation Measures will vary from Community to Community. However I am more worried about the adaptation measure that would have to be taken by poor farmers, particularly when Agricultural growth in India is not even the half of the rate at which National GDP is growing.

It is very important for us to inherently connect all these less-informed and deprived rural population in the process of local governance. The recent Government has initiated massive Pan-India Social Welfare Projects. These projects will be significant for putting Adaption Measures in place, only When people are addequety informed . So here we take this task of " Informing People" through Reusing Electronic Waste.

The Proposal : Aims at preparing huge Indian Rural population for the crucial Adaptation Measures in wake of Climate Change,by making them well-informed in all frontiers of Local Governance.

METHODOLOGY

A minimal configured Processing Board can be developed from the outdated CPUs of computers. This processing Board with few MBs of RAM is sufficient to Run Educational software.

For Internet, a Network Card (Broadband) or Internal Modem (NarrowBand) or the latest offering of Prof. Eric Brewer, The WildNet (i.e. Low Cost Long Distance WiFi can be used (source: <http://www.wildnet.com/ericb/index.html>)

This Processing Board can also be shared among Multiple Visual Interfaces (outdated CRT Monitors, due for Recycling) to reduce The cost. We can also Reuse the Batteries of most of the Electronic gadgets like Laptops in LED-based Emergency Lights or for lighting these kiosks itself in country areas. Here for experimentation I have used Six Ni-Cd Batteries as didn't had waste Laptop Battery and the light we get out of these LED-Based lamps is sufficient to light the room. Hence we show here that we can reuse and re-furbish most of the resources that we have for the betterment of the society. The Main reason behind Climate Change is that we humans are using " Too Much resources, Too Much Fast". Time has come, when we must reuse and re-furbish all our resources in all possible ways.

Figure 5: Ni-Cd Batteries used for LED-Based Lamp



Figure 6: On-Off Arrangement of LED-Lamp

Figure 4: Rural Information Kiosk (made out of recycled Electronic Gadgets)

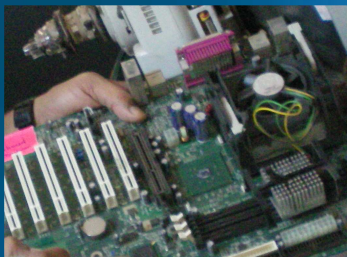


Figure 3: Electronic Waste that can Be used for Info Kiosk

Figure 2. A low cost modified Mother Board to be used to conncte to internet in Info. Kiosk

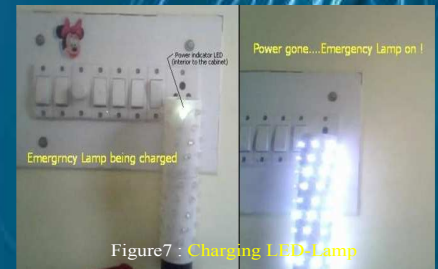


Figure 7: Charging LED-Lamp

Figure 1: Reuse of outdated Electronic Gadgets to Construct Rural Information Kiosk.

REFERENCES

<http://www.2by.ac.uk/research/and/creative/energy/energy.htm>
<http://www.ledinside.com/2010/05/21/energy-2010-05-21-01-2010.htm>